

**ABSTRACT**

A sensor array system for detecting the position of an object or energy source. The system includes a plurality of sensors, each sensor having a limited field of view and being capable of detecting an object or energy source that is positioned within its field of view. The fields of view of at least some of the sensors overlap the fields of view of other sensors, and the overlapping fields of view define unique spatial regions. A data acquisition system is operatively connected to the plurality of sensors and is used to determine which sensors simultaneously detect an object or energy source, thereby determining the unique spatial region in which the object or energy source is located.